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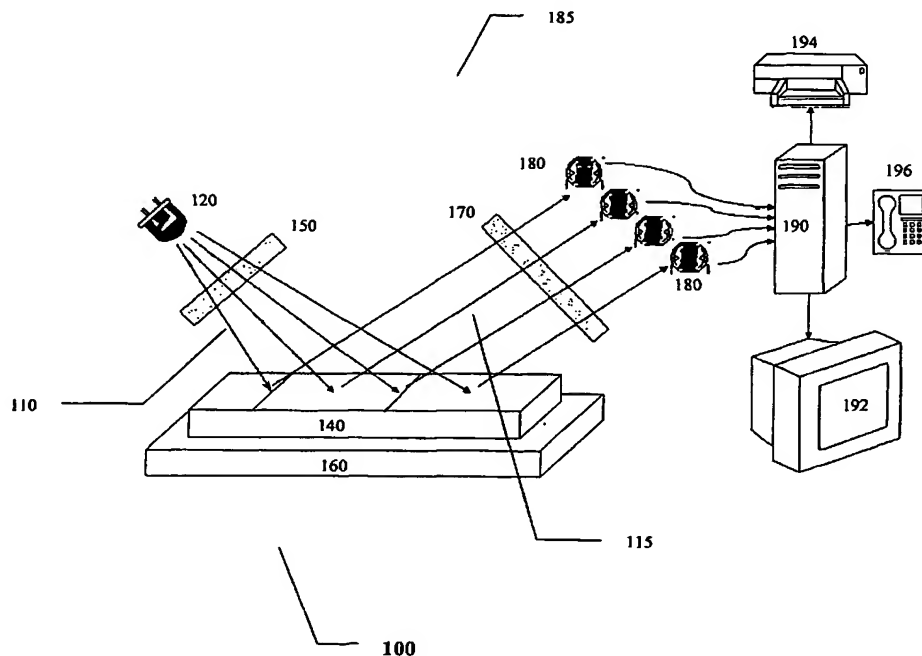
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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR FLUORESCENCE DETECTION



(57) Abstract: A system and method for detecting fluorescence in a sample (140). Where an efficient light source (120) projects light onto said sample, and where fluorescence in said sample is detected by a photodetector (180).

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL02/01040

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(7) : G01T 1/00		
US CL : 250/373,343,304; 73/23.161.1		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
U.S. : 250/373,343,304; 73/23.161.1		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,814,939 A (PARKER et al.) 04 June 1974 (04.06.1974), columns 2-4.	1
A		2-39
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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"E"	earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
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**INTERNATIONAL SEARCH REPORT**

PCT/IL02/01040

**Continuation of Item 4 of the first sheet:**  
Examiner observes that the title is not concise.

**NEW TITLE:**

System and method for fluorescence detection.